

Comparisons of Job Characteristics

Focus Occupation: [Operating Engineers and Other Construction Equipment Operators \(47-2073\)](#)

Associated Occupation: [Rail-Track Laying and Maintenance Equipment Operators \(47-4061\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073)

Associated Occupation: Rail-Track Laying and Maintenance Equipment Operators (47-4061)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Mechanical	6.8	12.1	13.4	> Current knowledge level is likely sufficient
Building and Construction	4.0	10.7	15.0	>> Current knowledge level is likely more than sufficient
Transportation	4.6	9.8	5.8	<< Extensive education and/or training may be required
Public Safety and Security	6.9	8.9	10.5	> Current knowledge level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 81

Focus Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073)

Associated Occupation: Rail-Track Laying and Maintenance Equipment Operators (47-4061)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation Monitoring	6.6	11.2	10.0	< A higher skill level may be required
Operation and Control	5.4	10.7	13.4	> Skill level is likely sufficient
Repairing	3.4	10.2	6.4	<< Extensive development of skills in this area may be required
Quality Control Analysis	5.9	9.7	7.5	< A higher skill level may be required
Equipment Maintenance	3.5	9.5	6.9	<< Extensive development of skills in this area may be required
Troubleshooting	4.5	9.5	6.6	<< Extensive development of skills in this area may be required
Equipment Selection	3.3	7.2	4.9	<< Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 76			
Focus Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073) Associated Occupation: Rail-Track Laying and Maintenance Equipment Operators (47-4061)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Control Precision	6.6	12.8	12.6	0	Current ability level may be sufficient
Multilimb Coordination	6.0	12.2	13.2	0	Current ability level may be sufficient
Reaction Time	4.8	11.5	9.7	<	Some improvement in abilities may be required
Static Strength	5.0	11.4	7.1	<<	Extensive improvement in abilities may be required
Depth Perception	5.3	11.1	12.2	0	Current ability level may be sufficient
Far Vision	7.8	11.1	8.3	<<	Extensive improvement in abilities may be required
Response Orientation	4.0	9.8	8.7	<	Some improvement in abilities may be required
Dynamic Strength	3.5	9.0	4.0	<<	Extensive improvement in abilities may be required
Speed of Limb Movement	3.2	8.9	4.8	<<	Extensive improvement in abilities may be required
Stamina	4.0	8.8	3.9	<<	Extensive improvement in abilities may be required
Glare Sensitivity	2.6	7.3	5.5	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 98
Focus Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073) Associated Occupation: Rail-Track Laying and Maintenance Equipment Operators (47-4061)		
Work Activities	Exclusivity of Activity	
Grade or redistribute earth for roads or other construction	87	
Maintain or repair construction machinery or equipment	77	
Operate earth-moving or other heavy construction equipment	80	
Use measuring devices in construction or extraction work	41	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 85

Focus Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073)
Associated Occupation: Rail-Track Laying and Maintenance Equipment Operators (47-4061)

Tools and Technologies	Exclusivity
Cleaning equipment	11
Computers	1
Dispersing and spraying appliances for agriculture	26
Earth moving machinery	11
Finance accounting and enterprise resource planning ERP software	2
Forming tools	2
Garden tools	12
Hearing protectors	12
Indicating and recording instruments	2
Length and thickness and distance measuring instruments	2
Lifting equipment and accessories	3
Passenger motor vehicles	13
Pneumatic tools	8
Power tools	2
Product and material transport vehicles	13
Respiratory protection	6
Safety apparel	4
Soldering and brazing and welding machinery and supplies	6
Specialized and recreational vehicles	17
Vision protection and accessories	3
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.